



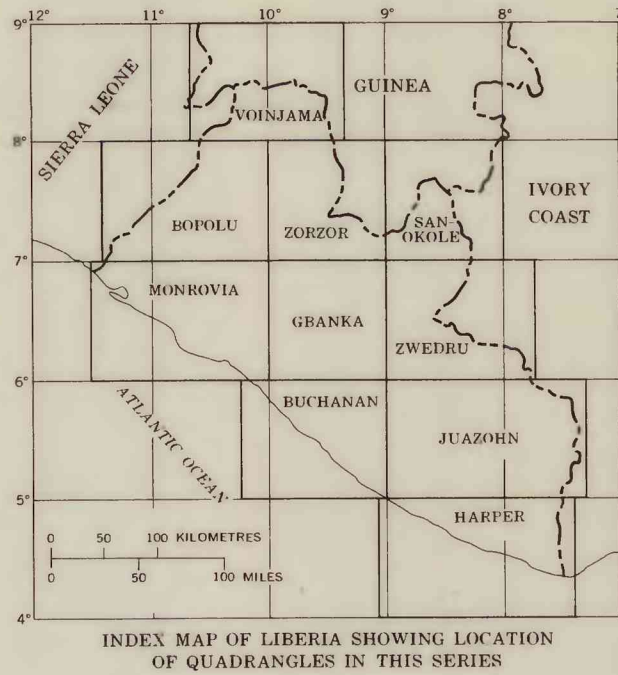
EXPLANATION	
Symbols in this explanation have been standardized for all of Liberia (see index map). Not all the symbols appear in any one quadrangle.	
X Mineral or commodity locality, as designated. Number indicates deposit or locality noted in text or table. Number in parentheses indicates chemical analysis (in ppm)	X Barite
Pit showing material recovered. Underlined symbol indicates uncertain location	Chromite
Rock or stone quarry, showing type	Chromitite
Area of anomalous mineral concentration	Chromite placer
Sedimentary clay deposit	Chromite spectrographic analysis
Graphite	Chromite chemical analysis (ppm)
Beach or river sand deposit	Diamond
Heavy-mineral concentration	Major drainage mined by diving and damming
Shell concentration (lime)	Placer mining area
Question mark indicates uncertain mineral identification	Isolated placer
Pit, showing material recovered	Kimberlite source rock
Petroleum exploration well, and drilling company	Kimberlite indicator minerals
Rock, mineral, or commodity symbol:	
a, Amphibolite	Manganese
Ab, Asbestos	Manganese mineral
Be, Beryl	Manganese formation
Hg, Cinnabar	Bauxite
cl, Clay	Iron ore
c, Coal	Mine
Co, Cobalt	Prospect
Cu, Copper minerals	Iron formation
Cu(db), Copper, native, in diabase	Kyanite and sillimanite
Cm, Corundum	Kyanite-bearing rocks
db, Diabase	Lode
g, Granite or gneiss	Placer
H, Hematite	Rutile
Il, Ilmenite	Columbite - tantalite
i, Iron-formation	Placer
Lt, Laterite	Spectrographic analysis
Pb, Lead	Gold
Mg, Magnetite	Placer mining area
Mi, Mica	Placer
Mo, Molybdenite	Lode
Mz, Monazite	Pegmatite
Ni, Nickel	Tin
p, Peat	Placer
PO, Phosphate	Spectrographic analysis
Pt, Platinum	
q, Quartz	
sdg, Sand (glass)	
Ag, Silver	
ta, Talc	
w, Tungsten	
Xe, Xenotime	
Zn, Zinc	
Zr, Zircon	

EXPLANATION FOR ROCK UNITS SHOWN

Note: For details of geology, see U.S. Geological Survey Map I-772-D, on which the geology is shown in color.

Qf - FLUVIAL AND DELTAIC DEPOSITS, UNDIVIDED
KJk - KIMBERLITE
Jd - DIABASE
d - DIABASE
pg - PEGMATITE
sy - SYENITE
gr - GRANITIC ROCKS
u - ULTRANAFIC ROCKS, UNDIVIDED
z - COMPOSITE UNIT
it - IRON-FORMATION, OXIDE FACIES (ITABIRITE)
am - AMPHIBOLITE, UNDIVIDED
s - SCHIST, UNDIVIDED
gnm - MELANOCRATIC GNEISS
gnl - COMPOSITE GNEISS UNIT 1
gnl - LEUCOCRATIC GNEISS
gndq - QUARTZ DIORITE GNEISS
gng - GRANITIC GNEISS
gngd - GRANDIORITE GNEISS
gngg - GRANITE GNEISS

G, Based on gravity data
M, Based on aeromagnetic data
P, Based on photointerpretation
R, Based on aeroradiometric data



Base compiled by photo-planimetric methods from aerial photographs taken 1968-69. Controlled from 1963 1:40,000-scale photomosaics by Aero Service Corporation.
Hotines Rectified Skew Orthomorphic projection and rectangular coordinates
Shaded relief geographic map available as map I-772-A
INTERNATIONAL BOUNDARY SHOWN ON THIS MAP IS NOT NECESSARILY AUTHORITY

MINERAL LOCALITIES OF THE BOPOLU QUADRANGLE, LIBERIA

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